Title (en)
BEARING POINT COMPRISING A RADIAL ROLLER BEARING WITH A JOINT LINE IN THE EXTERNAL RING

Title (de)
LAGERSTELLE UMFASSEND EIN RADIALWÄLZLAGER MIT TRENNFUGE IM AUSSENRING

Title (fr)
PALIER COMPRENANT UN ROULEMENT RADIAL AVEC UN JOINT DE SÉPARATION DANS LA BAGUE EXTÉRIEURE

Publication
EP 2225476 A2 20100908 (DE)

Application
EP 08864878 A 20081204

Priority
- DE 2008002023 W 20081204
- DE 102007062157 A 20071221

Abstract (en)
[origin: WO2009079974A2] The invention relates to a bearing point for mounting a rotating workpiece in a bearing seat. Said bearing point comprises a radial roller bearing which encompasses an internal ring that has an external raceway, an external ring that has an internal raceway, and a plurality of rolling elements that roll along the internal and external raceway. The invention further relates to a method for producing an external ring of a radial roller bearing for a bearing point according to the invention. In order to prevent the radial roller bearing from overheating while simply and inexpensively reducing the risk of slipping, the external ring of the disclosed bearing point has a joint line that runs along the axial extension of the external ring, the radial roller bearing is radially preloaded in the assembled state, and the bearing seat is designed such that the external ring located in the bearing seat can expand when a force is applied that acts outward in a radial direction.

IPC 8 full level
F16C 33/64 (2006.01); **F16C 43/04** (2006.01)

CPC (source: EP)
F16C 33/60 (2013.01); **F16C 33/64** (2013.01); **F16C 43/04** (2013.01); F16C 2240/84 (2013.01)

Citation (search report)
See references of WO 2009079974A2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
DE 102007062157 A1 20090625; EP 2225476 A2 20100908; JP 2011506882 A 20110303; WO 2009079974 A2 20090702; WO 2009079974 A3 20091230

DOCDB simple family (application)
DE 102007062157 A 20071221; DE 2008002023 W 20081204; EP 08864878 A 20081204; JP 2010538325 A 20081204